



7979 GSRI AVE. • BATON ROUGE, LA 70820

ASBESTOS FIBER COUNT ANALYSIS

for

DOW CHEMICAL COMPANY
Post Office Box 150
Plaquemine, Louisiana 70764

ATTENTION: Jackie Paul

March 6, 1987

DO 100550
CONFIDENTIAL



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DOW CHEMICAL COMPANY
Plaquemine, Louisiana

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Seven (7) filter cassette samples were received on March 4, 1987 from Dow Chemical Company for asbestos fiber count. Fibers larger than 5 microns in length were counted by means of phase-contrast microscopy at a magnification of 400X. The procedure recommended by NIOSH Method 7400A was followed.

<u>Sample ID.</u>	<u>Fibers (>5um) Observed</u>	<u>No. of Fields Observed</u>	<u>Fibers per Filter</u>	<u>Volume of Air (L)</u>	<u>Fibers (>5um) per c.c. of Air</u>
Blank	2	100	981	-----	-----
07682	14 - 2 = 12	100	5,885	-----	-----
07683	6 - 2 = 4	100	1,962	-----	-----
#2 07684	102	62	78,165	-----	-----
07685	64 - 2 = 62	100	30,408	-----	-----
07687	10 - 2 = 8	100	3,924	-----	-----
#1 07688	-----	-----	-----	-----	-----
07689	4 - 2 = 2	100	981	-----	-----
#1 07690	-----	-----	-----	-----	-----
#1 03485	-----	-----	-----	-----	-----
#1 06978	-----	-----	-----	-----	-----

#1 Filter was coated with material which would not dissolve, making the filter unreadable.

#2 Blank correction made at the fibers/filter calculation.

Kenneth J. Hayes for
Philip W. West Ph.D.
Laboratory Director

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